Ham-Digital Digest   Mon, 9 May 94   Volume 94 : Issue 142

Today's Topics:
                         High Speed Packet ?
        How to broadcast voice on Packet Channel(voice beacon) ?
                          Integrate HF w/WAN
                         internet via packet
                          JNOS HELP FILES
                   Need help with TPK v1.81! (2 msgs)
                   Panasonic 5-edit consumer protocol
                  Radio pagers, CAP, POCSAG question.

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 7 May 94 14:46:44 GMT
From: agate!howland.reston.ans.net!gatech!news-feed-1.peachnet.edu!news.duke.edu!
eff!news.kei.com!ub!netfs.dnd.ca!dgbt!marvin.dgbt.doc.ca!barry@ucbvax.berkeley.edu
Subject: High Speed Packet ?
To: ham-digital@ucsd.edu

In <CpE0nr.DnE@dcs.ed.ac.uk> jmb@dcs.ed.ac.uk (Justin Brickwood) writes:

>I'm interested in learning about the various options available for high
>speed packet radio. I know about the G3RUH 9600 baud modem and have heard
>of the AEA DSP based device but what else is there ? Is there anything faster
>than 9600 baud - what modulation techniques are used ?

Grab the file hispeed.005 from pub/hamradio/packet on hydra.carleton.ca.
It's a list of equipment options rather than a 'howto', but it will give

you some of the info you're looking for. I've got some post-Dayton updates
to do, so there should be a hispeed.006 along soon...

Barry VE3JF

--
Barry McLarnon   VE3JF/VA3TCP | Internet: barry@dgbt.doc.ca
Communications Research Center | AMPRnet: barry@va3tcp.ampr.org
Ottawa, Ontario, Canada | FreeNet: aa187@freenet.carleton.ca

Date: Mon, 9 May 1994 06:40:04 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!nctuccca.edu.tw!news.cc.nctu.edu.tw!news.nsysu.edu.tw!
news.nsysu.edu.tw!tjyang@network.ucsd.edu
Subject: How to broadcast voice on Packet Channel(voice beacon) ?
To: ham-digital@ucsd.edu

Hi, netter,

How can I broadcast a voice on packet channel periodically.
My purpose is to advise the people not using packet channel for voice talk.

Any pointer is appreciated

--
Tyng-Jing Yang
#221 Sec. 2 Chin-Nein Rd.
Fong-Shang City 830,Taiwan
FAX/Phone: +886-7-7423118
tjyang@cc.nsysu.edu.tw
tjyang@cubic.entrance.com.tw(NeXTMail OK)

Date: 9 May 1994 07:53:29 GMT
From: ihnp4.ucsd.edu!mvb.saic.com!news.cerf.net!usc!nic-nac.CSU.net!
charnel.ecst.csuchico.edu!olivea!inews.intel.com!ilx018.iil.intel.com!
ilx049.iil.intel.com!dbraun@network.ucsd.edu
Subject: Integrate HF w/WAN
To: ham-digital@ucsd.edu

In article <7c5PLc6w165w@voxbox.norden1.com>, jgrubs@voxbox.norden1.com (Jim
Grubs, W8GRT) writes:
|>
|> Correct me if I'm wrong, but isn't HF illegal under ITU
|> Conventions for intranational land mobile use?

The Israeli Army has apparently never heard of the ITU regulation
(it it exists), since they have lots of jeeps and trucks with
big HF whips on them. Handy for getting in touch with someone
at the bottom of the next canyon.

Doug Braun   Intel Israel, Ltd.   M/S: IDC-42 (new mailstop!)
                Tel: 011-972-4-655069   dbraun@inside.intel.com

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Date: Sun, 08 May 94 09:18:55 MST
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!asuvax!ennews!stat!david@network.ucsd.edu
Subject: internet via packet
To: ham-digital@ucsd.edu

jbhertzb@unix.amherst.edu (Jared Barney Hertzberg) writes:

> I have heard of hams who have connected their packet systems to internet and
> allow e-mail to be sent in both directions through the link. Is there a list
> of such sites, especially those on the east coast, with instructions on how
> to use them? Could someone post it for everyone's benefit?

                        How to Use the WB7TPY
                      Packet <-> Internet Gateway

First, some brief operational notes:

(1) Messages must not contain any foul language, or commercial purpose.
(2) Messages can only be sent to countries that the United States has
    a third-party agreement. All others will be destroyed.
(3) Messages from the internet should be less then 5K in length.
    No files should be sent.
(4) If you have questions, please do not hesitate to contact me either on
    packet radio: WB7TPY@WB7TPY.AZ.USA.NA   -or-
    Internet   : david@stat.com

(5) Have fun. Use the gateway as much as you like. That is what it is
    there for.

                      From Internet to Packet

Send mail to the internet address of:

gate@wb7tpy.ampr.org

The first line of text must contain a full packet address, preceded with the
word "Packet:"

For example, mail to my packet address, would have the first line of text;

Packet: wb7tpy@wb7tpy.az.usa.na

** NOTE: this line MUST be left justified.

                         From Packet to Internet

Send as private mail (never a bulletin) to the packet address of:

gate@wb7tpy.az.usa.na

The first line of text must contain a full domained internet address,
proceeded with the word "Internet:"

For example, mail to my internet address, would have the first line of text;

Internet: david@stat.com

Editor, HICNet Medical Newsletter
Internet: david@stat.com   FAX: +1 (602) 451-1165
Bitnet : ATW1H@ASUACAD

Date: 8 May 94 15:02:30 -0600
From: ihnp4.ucsd.edu!sdd.hp.com!saimiri.primate.wisc.edu!news.doit.wisc.edu!
uwec.edu!hemp!whitemp@network.ucsd.edu
Subject: JNOS HELP FILES
To: ham-digital@ucsd.edu

I am looking for one of two things:
1)   The help files for JNOS (the help that pops up when you do a ?
at the command line.)
     OR
2)   N0POY's Inet E-Mail address (not packet address - I am soon to

w/o a TNC!)

Thanks in Advance!

-Mike   whitemp@cnsvax.uwec.edu

Date: 8 May 1994 14:49:17 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!pipex!sunic!isgate!news.rhi.hi.is!
ddietz@network.ucsd.edu
Subject: Need help with TPK v1.81!
To: ham-digital@ucsd.edu

Hello all.
I am trying to get TPK working with my local F6FBB pbbs, but I'm having a
few problems. The most difficult problem is getting TPK to log the
unproto message headers that are transmitted by the bbs to be logged to my
hard drive. I am using MS-DOS v6.2. I have set a path to tpk in
autoexec.bat as well as an environment variable. I'm also running
Doublespace. Does anyone have any suggestions? I'd like to get this
thing working properly.

Thanks,
Don, N3KFH

Internet: ddietz@rhi.hi.is
Packet: n3kfh@tf3bbs.isl.eu

Date: 8 May 1994 13:41:39 -0400
From: ihnp4.ucsd.edu!swrinde!gatech!udel!news2.sprintlink.net!news.sprintlink.net!
deathstar.cris.com!deathstar.cris.com!not-for-mail@network.ucsd.edu
Subject: Need help with TPK v1.81!
To: ham-digital@ucsd.edu

In article <2qiu5d$gd1@eldborg.rhi.hi.is>, Donald Lee Dietz wrote:
>I am trying to get TPK working with my local F6FBB pbbs, but I'm having a
>few problems. The most difficult problem is getting TPK to log the
>unproto message headers that are transmitted by the bbs to be logged to my
>hard drive.

>Don, N3KFH

Don, I run TPK here in Mobile, AL with our club BBS, W4IAX... It has been
my experience that the weak link has always been in the analog part of the
system... Do you get good connects and fast response from the BBS...???

i.e. not many retries on connecting and reading messages manually... If
you are getting anything at all logged to the hard drive then your problem
is in the TNC/RADIO/ANTENNA link... Without knowing any other particulars,
I couldn't tell you much more... I have friends who are running TPK with
DOS 6.2 with no trouble... (I am using 5.0 still -- solid) Hope this
helps...

73... Marv...

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   Marvin J. Uphaus      | 205-343-9256  Muphaus@cris.com
   4031 Airport Blvd. #49 |    CompuServe: 72122,1253
   Mobile, AL  36608      | K4BVG @ W4IAX.#MOBAL.AL.USA.NA
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Date: 9 May 1994 10:33:48 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!
newsrelay.iastate.edu!hobbes.physics.uiowa.edu!newsfeed.ksu.ksu.edu!
moe.ksu.ksu.edu!crcnis1.unl.edu!unlinfo.unl.edu!ipb@@.
Subject: Panasonic 5-edit consumer protocol
To: ham-digital@ucsd.edu

Date: Sun, 8 May 1994 15:58:46 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!torn!watserv2.uwaterloo.ca!
achilid.watstar.uwaterloo.ca!gjhurlbu@network.ucsd.edu
Subject: Radio pagers, CAP, POCSAG question.
To: ham-digital@ucsd.edu

In article <122311Z07051994@anon.penet.fi> an22190@anon.penet.fi writes:

>Hi,
>   I have been told that the CAP number of a pager is different to the actual
>number broadcast by the pager company. Is there any way to convert the number
>that is transmitted to the CAP code?

That is not the way I interpret the POCSAG standard. The code transmitted
by a pager company is the CAP code for the appropriate pager. To do it any
other way would be a bit assinine because that would force the software
developers that work on pagers to include bulky decoding algorithms.

The full address of a pager is 24 (or is it 18) bits (if my memory is
correct). The address being broadcast is only part of the complete address

with the remainder of the address being which frame the message starts in.
I do not remember if the first part of the address determines the frame or
the last part - I think it is the first 3 bits.

Anyways, my memory is a bit faulty...

BTW... Why did you use an anonymous address to ask this question? It's not
as if POCSAG is classified information... ANY good technical library will
have reams on the subject.

Cheers.

===
Gavin Hurlbut | A die hard fan of:
gjhurlbu@electrical.uwaterloo.ca | Sleep, InterNet use,
gavin.hurlbut@f210.n221.z1.fidonet.org | VGA Planets (what a way to
ad129@freenet.carleton.ca | waste time), procrastination,
ghurlbut@lotds.uucp | and other such useless hobbies

End of Ham-Digital Digest V94 #142
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